

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference P513680PCT/BD	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/GB2005/000403	International filing date ( <i>day/month/year</i> ) 07 February 2005 (07.02.2005)	Priority date ( <i>day/month/year</i> ) 06 February 2004 (06.02.2004)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant DYNAMIC CASSETTE INTERNATIONAL LTD.			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 6 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/> Box No. I	Basis of the report
<input type="checkbox"/> Box No. II	Priority
<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/> Box No. VI	Certain documents cited
<input type="checkbox"/> Box No. VII	Certain defects in the international application
<input checked="" type="checkbox"/> Box No. VIII	Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

Date of issuance of this report  
07 August 2006 (07.08.2006)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Dorothée Mülhausen  e-mail: pt01@wipo.int
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# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 25 MAY 2005

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To:

see form PCT/ISA/220

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

<p>Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)</p>		
<p>Applicant's or agent's file reference see form PCT/ISA/220</p>	<p><b>FOR FURTHER ACTION</b> See paragraph 2 below</p>	
<p>International application No. PCT/GB2005/000403</p>	<p>International filing date (day/month/year) 07.02.2005</p>	<p>Priority date (day/month/year) 06.02.2004</p>
<p>International Patent Classification (IPC) or both national classification and IPC B41J2/175</p>		
<p>Applicant DYNAMIC CASSETTE INTERNATIONAL LTD.</p>		

**1. This opinion contains indications relating to the following items:**

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the International application
- Box No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

<p>Name and mailing address of the ISA:</p> <p> European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016</p>	<p>Authorized Officer</p> <p>Didenot, B</p> <p>Telephone No. +31 70 340-4125</p> <p></p>
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/GB2005/000403

**Box No. I Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
 This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:  
 a sequence listing  
 table(s) related to the sequence listing
  - b. format of material:  
 in written format  
 in computer readable form
  - c. time of filing/furnishing:  
 contained in the international application as filed.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority for the purposes of search.
3.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/GB2005/000403

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or  
industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	25
	No: Claims	1-24
Inventive step (IS)	Yes: Claims	25
	No: Claims	1-24
Industrial applicability (IA)	Yes: Claims	1-25
	No: Claims	

**2. Citations and explanations**

**see separate sheet**

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**Box No. VIII Certain observations on the international application**

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The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

**see separate sheet**

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement**

1. Reference is made to the following documents:  
D1: US-A-6 042 225 (ALTENDORF ET AL) 28 March 2000 (2000-03-28)  
D2: US-A-5 576 750 (BRANDON ET AL) 19 November 1996 (1996-11-19)  
D3: US-A-5 812 165 (BOYD ET AL) 22 September 1998 (1998-09-22)
2. The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1 to 24 is not new in the sense of Article 33(2) PCT.
- 2.1 The document D1 discloses (the references in parentheses applying to this document):

An ink container comprising a serial arrangement of three chambers (160,162,164), each chamber defining a member receiving volume to receive a negative pressure producing member (130,132,134) to hold ink, the container defining an ink supply port (136,138,140) for each chamber through which ink can be drawn from the chamber, the ink supply port of two of the chambers (162,164) being displaced from alignment with the member receiving volume of that chamber. (claim 1)

- 2.2 Document D1 shows also all the features of dependent claims 2,3 and 5 to 24 in particular ink fill holes 146,10,152 and breather holes 154,156.
- 2.3 Document D2 shows all the features of claims 1 to 20 and document D3 shows all the features of claims 1 to 16.
3. The combination of the features of dependent claim 25 seems to be neither known from, nor rendered obvious by, the available prior art.

**Re Item VIII**

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/GB2005/000403

1. The application does not meet the requirements of Article 6 PCT, because claim 1 is not clear. The passage "the ink supply port of one of the chambers **being displaced from alignment with** the member receiving volume of that chamber." is not clear due to a lack of technical meaning of the expression "being displaced from alignment with" thereby rendering the definition of the subject-matter of said claims unclear. This passage has therefore been understood as explained in the description with reference to figure 3.